

Requirements for Label Application:

1. Generate an eligible Statement of Energy Performance (SEP), including the Data Checklist.
2. Obtain a stamp and signature on the SEP from a certified Licensed Professional (i.e. Professional Engineer or Registered Architect).
3. Complete the Data Checklist and obtain a signature from the Licensed Professional who verified your SEP.
4. Complete the ENERGY STAR Recognition form.
5. Download and sign a copy of the Letter of Agreement.
6. Mail the following documents to EPA for review:
 - Signed Letter of Agreement
 - Stamped and signed SEP
 - Signed Data Checklist by the Licensed Professional who verified your SEP



STATEMENT OF ENERGY PERFORMANCE

06-902 - Field Engineering Office

Building ID: 1713761

For 12-month Period Ending: June 30, 2012¹

Date SEP becomes ineligible: October 28, 2012

Date SEP Generated: July 10, 2012

Facility

06-902 - Field Engineering Office
Nevada National Security Site
Mercury, NV 89023

Facility Owner

Department of Energy
232 Energy Way
North Las Vegas, NV 89030
702-295-1598

Primary Contact for this Facility

(b) (6)
316 E. Atlas Circle, M/S: NNSS-302
North Las Vegas, NV 89030
702-295-(b) (6)
(b) (6)@nv.doe.gov

Year Built: 1993

Gross Floor Area (ft²): 6,943Energy Performance Rating² (1-100) 78**Site Energy Use Summary³**

Electricity - Grid Purchase(kBtu)	291,791
Natural Gas - (kBtu) ⁴	0
Total Energy (kBtu)	291,791

Energy Intensity⁴

Site (kBtu/ft ² /yr)	42
Source (kBtu/ft ² /yr)	140

Emissions (based on site energy use)

Greenhouse Gas Emissions (MtCO ₂ e/year)	49
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Electric Distribution Utility

Nevada Power Co [NV Energy]

National Median Comparison

National Median Site EUI	60
National Median Source EUI	200
% Difference from National Median Source EUI	-30%
Building Type	Office

Registered Architect Stamp

Signature: _____

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate and in accordance with the Licensed Professional Guide.

Meets Industry Standards⁵ for Indoor Environmental Conditions:

Ventilation for Acceptable Indoor Air Quality	Yes
Acceptable Thermal Environmental Conditions	Yes
Adequate Illumination	Yes

Registered Architect

License Number: (b) (6)

State: NV

(b) (6)

P.O. Box 98521

Las Vegas, NV 89193

702-295-(b) (6)

Notes:

1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and ESNA Lighting Handbook for lighting quality.

ENERGY STAR ELIGIBILITY ALERT COMMENTS

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep the ENERGY STAR Eligibility Comments for your own records; do not submit them to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

When generating the SEP, Portfolio Manager requested you provide comments for the following ENERGY STAR eligibility alerts. The comments you provided are below. A copy of your comments has also been submitted to EPA.

Facility May Contain Multiple Facilities

This facility represents "one" facility not multiple facilities.

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) or a Registered Architect (RA) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE or RA in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.

NOTE: You must check each box to indicate that each value is correct, OR include a note.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	<input checked="" type="checkbox"/>
Building Name	06-902 - Field Engineering Office	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		<input type="checkbox"/>
Type	Office	Is this an accurate description of the space in question?		<input type="checkbox"/>
Location	Nevada National Security Site, Mercury, NV 89023	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		<input type="checkbox"/>
Annual Occupancy Rate	100 %	Has the property maintained an average occupancy of 50% or higher across the 12 month period being assessed?		<input type="checkbox"/>
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of a hospital, k-12 school, hotel and senior care facility) nor can they be submitted as representing only a portion of a building.		<input type="checkbox"/>
202742 (Office)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	<input checked="" type="checkbox"/>
Gross Floor Area	6,943 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		<input type="checkbox"/>
Weekly operating hours	(b) (4)	Is this the total number of hours per week that the Office space is 75% occupied? This number should exclude hours when the facility is occupied only by maintenance, security, or other support personnel. For facilities with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		<input type="checkbox"/>
Workers on Main Shift	(b) (4)	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 100 workers each, the Workers on Main Shift value is 100. The normal worker density ranges between 0.3 and 5.3 workers per 1000 square feet (92.8 square meters)		<input type="checkbox"/>
Number of PCs	(b) (4)	Is this the number of personal computers in the Office?		<input type="checkbox"/>
Percent Cooled	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		<input type="checkbox"/>
Percent Heated	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		<input type="checkbox"/>

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Nevada Power Co [NV Energy]

Fuel Type: Electricity		
Meter: (b) (4) (kWh (thousand Watt-hours)) Space(s): Entire Facility Generation Method: Grid Purchase		
Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
06/01/2012	06/30/2012	7,520.00
05/01/2012	05/31/2012	5,032.00
04/01/2012	04/30/2012	5,431.00
03/01/2012	03/31/2012	6,571.00
02/01/2012	02/29/2012	10,073.00
01/01/2012	01/31/2012	8,688.00
12/01/2011	12/31/2011	9,882.00
11/01/2011	11/30/2011	5,351.00
10/01/2011	10/31/2011	4,304.00
09/01/2011	09/30/2011	6,289.00
08/01/2011	08/31/2011	9,646.00
07/01/2011	07/31/2011	6,732.00
(b) (4) Consumption (kWh (thousand Watt-hours))		85,519.00
(b) (4) Consumption (kBtu (thousand Btu))		291,790.83
Total Electricity (Grid Purchase) Consumption (kBtu (thousand Btu))		291,790.83
Is this the total Electricity (Grid Purchase) consumption at this building including all Electricity meters?		<input type="checkbox"/>

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	<input type="checkbox"/>

On-Site Solar and Wind Energy	
Do the fuel consumption totals shown above include all on-site solar and/or wind power located at your facility? Please confirm that no on-site solar or wind installations have been omitted from this list. All on-site systems must be reported.	<input type="checkbox"/>

Certifying Professional

(When applying for the ENERGY STAR, the Certifying Professional must be the same PE or RA that signed and stamped the SEP.)

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep this Facility Summary for your own records; do not submit it to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

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General Information

06-902 - Field Engineering Office	
Gross Floor Area Excluding Parking: (ft ²)	6,943
Year Built	1993
For 12-month Evaluation Period Ending Date:	June 30, 2012

Facility Space Use Summary

202742	
Space Type	Office
Gross Floor Area (ft ²)	6,943
Weekly operating hours	(b) (4)
Workers on Main Shift	(b) (4)
Number of PCs	(b) (4)
Percent Cooled	50% or more
Percent Heated	50% or more

Energy Performance Comparison

Performance Metrics	Evaluation Periods		Comparisons		
	Current (Ending Date 06/30/2012)	Baseline (Ending Date 12/31/2008)	Rating of 75	Target	National Median
Energy Performance Rating	78	1	75	N/A	50
Energy Intensity					
Site (kBtu/ft ²)	42	17832	44	N/A	60
Source (kBtu/ft ²)	140	59558	148	N/A	200
Energy Cost					
\$/year	N/A	N/A	N/A	N/A	N/A
\$/ft ² /year	N/A	N/A	N/A	N/A	N/A
Greenhouse Gas Emissions					
MtCO ₂ e/year	49	20,707	52	N/A	70
kgCO ₂ e/ft ² /year	7	2,982	7	N/A	10

More than 50% of your building is defined as Office. Please note that your rating accounts for all of the spaces listed. The National Median column presents energy performance data your building would have if your building had a median rating of 50.

Notes:

o - This attribute is optional.

d - A default value has been supplied by Portfolio Manager.